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DIALOG(R) File 352:DERWENT WPI
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010334778
WPI Acc No: 1995-236472/199531
XRAM Acc No: C95-108642

Gene expression system contg. alpha-amylase gene promoter - for use in plants for expression of heterologous genes
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Number of Countries: 002 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7143895	A	19950606	JP 93297607	A	19931104	199531 B
US 5460952	A	19951024	US 92973324	A	19921104	199548 N
US 5712112	A	19980127	US 92973324	A	19921104	199811 N
			US 94343380	A	19941122	

Priority Applications (No Type Date): JP 92321274 A 19921105; US 92973324 A 19921104; US 94343380 A 19941122

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7143895	A		42	C12P-021/02	
US 5460952	A		54	C12P-021/06	
US 5712112	A		56	C12P-021/06	Cont of application US 92973324 Cont of patent US 5460952

Abstract (Basic): JP 7143895 A

Expression of heterologous genes in plant cells comprises: (a) construction of a vector expressible in plant cells in which the vector contains a promoter region from the plant alpha-amylase gene and a gene encoding a desired heterologous protein, (b) transformation of compatible plant host cells with the vector, (c) culture of the transformed host cells, (d) placing the cultured host cells in a sugar exhausted or deficient condition to stimulate the expression of the gene under the control of the promoter region, and (e) recovery of the expressed heterologous protein.

USE - The system may be used for the expression of heterologous genes in plant cells and for the large scale production of the encoded products of such genes.

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Title Terms: GENE; EXPRESS; SYSTEM; CONTAIN; ALPHA; AMYLASE; GENE; PROMOTE; PLANT; EXPRESS; HETEROLOGOUS; GENE

Derwent Class: C06; D16

International Patent Class (Main): C12P-021/02; C12P-021/06

International Patent Class (Additional): C12N-005/00; C12N-005/10;

C12N-015/00; C12N-015/09; C12P-021/02; C12R-001-91

File Segment: CPI

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